INDEX TO VOLUME 37

ACHENBACH, J. D., see NORRIS A. N.

ATANACKOVIĆ, T. M. Estimates of Maximum Deflection for a Rotating Rod 515

ATKINSON, C., and CHAMPION, C. R. Some Boundary-Value Problems for the Equation $\nabla . (|\nabla\phi|^N \nabla\phi) = 0$ 401

BOOKER, J. R., and RANDOLPH, M. F. Consolidation of a Cross-Anisotropic Soil Medium 479

BRUNN, P. O., FABRIKANT, V. I., and SANKAR, T. S. Diffusion through Membranes: Effect of a Nonzero Membrane Thickness 311

BRYANT, M. D., MILLER, G. R., and KEER, L. M. Line Contact between a Rigid Indenter and a Damaged Elastic Body 467

BUDDEN, P. J., and NORBURY, J. Stability of a Subcritical Flow under a Sluice Gate 293

CADE, R. The Electrostatics of Two Coaxial and Mutually Distant Circular Tori 539

CARROLL, M. M., and ROONEY, F. J. Simplification of the Second-Order Problem for Incompressible Elastic Solids 261

CASEY, J., and NAGHDI, P. M. Further Constitutive Results in Finite Plasticity 231

CHAMPION, C. R., see ATKINSON, C.

CHENG, H. K., see EVANS, T.

CLARKE, J. F. Regular Reflection of a Weak Shock Wave from a Rigid Porous Wall 87

CLARKE, N. S. Heat Diffusion in Random Laminates 195

COWIN, S. C. The Stresses Around a Hole in a Linear Elastic Material with Voids 441

DANIELS, P. G., and GOLBABAI, A. Axisymmetric Overstable Convection in a Rotating Fluid Layer Uniformly Heated from Below . 597

DANIELS, P. G., and SIMPKINS, P. G. The Flow Induced by a Heated Vertical Wall in a Porous Medium 339

DAY, W. A. Steady State Oscillatory Temperatures in Coupled Quasi-Static Thermoelasticity 581

DORREPAAL, J. M. The Resistance Tensors for a Spherical Cap in Stokes Flow 355

DUCK, P. W. The Effect of a Surface Discontinuity on an Axisymmetric Boundary Layer 57

EVANS, T., and CHENG, H. K. Transonic Oblique-Wing Flow Computation 33

FABRIKANT, V. I., see BRUNN, P. O.

GHANDCHI, F. The Diffraction of Sound Waves by an Elastic Half-Plane Attached to a Vertical Rigid Plane 553

GOLBABAI, A., see DANIELS, P. G.

GOLDSTEIN, M. E. Small-Amplitude Viscous Motion on Arbitrary Potential Flows 1

GREEN, A. E., and NAGHDI, P. M. Aspects of the Second Law of Thermodynamics in the Presence of Electromagnetic Effects . . 179

HADDOW, J. B., TAIT, R. J., and MOODIE, T. B. A Theory for High-Frequency Longitudinal Waves in Bars 143

HANCOCK, C. The Angle of Separation in Stokes Flow Near a Sharp Corner 113

HEAD, A. K., see WOOD, W. W.

HOLMES, P., and SPENCE, D. On a Painlevé-Type Boundary-Value Problem 525

JOHNSON, R. E., and MCMEEKING, R. M. Near-Surface Flow in Glaciers Obeying Glen's Law 273

JONES, D. S. A Uniqueness Theorem in Elastodynamics 121

KEER, L. M., see BRYANT, M. D.

KHAN, M. A., and STEWARTSON, K. On Natural Convection from a Cooling Vertical Sheet 325

LABISCH, F. K. Some Remarks on the Snap-Through Problem of a Shallow Arch 497

MCMEEKING, R. M., see JOHNSON, R. E.

MILLER, G. R., see BRYANT, M. D.

MOODIE, T. B., see HADDOW, J. B.

NAGHDI, P. M., see CASEY, J.

NAGHDI, P. M., see GREEN, A. E.

NG, B. S., and REID, W. H. Error Estimates for Asymptotic Solutions of the Orr–Sommerfeld Equation 373

NORBURY, J., see BUDDEN, P. J.

NORRIS, A. N., and ACHENBACH, J. D. Elastic Wave Diffraction by a Semi-Infinite Crack in a Transversely Isotropic Material 565

PULLIN, D. I. A Constant-Vorticity Riabouchinsky Free-Streamline Flow 619

RANDOLPH, M. F., see BOOKER, J. R.

REID, W. H., see NG, B. S.

ROONEY, F. J., see CARROLL, M. M.

SANKAR, T. S., see BRUNN, P. O.

SIMPKINS, P. G., see DANIELS, P. G.

SMITH, F. T. Concerning Upstream Influence in Separating Boundary Layers and Downstream Influence in Channel Flow 389
SMITH, S. H. The Development of Nonlinearities in the $E^{\frac{1}{2}}$ Stewartson Layer 75
SPENCE, D., see HOLMES, P.
STEWARTSON, K., see KHAN, M. A.
TAIT, R. J., see HADDOW, J. B.
TRIANTAFYLLOU, M. S. The Dynamics of Taut Inclined Cables . . . 421
WOOD, W. W., and HEAD, A. K. Dislocation Pile-Ups and Stress Intensity Factors 161